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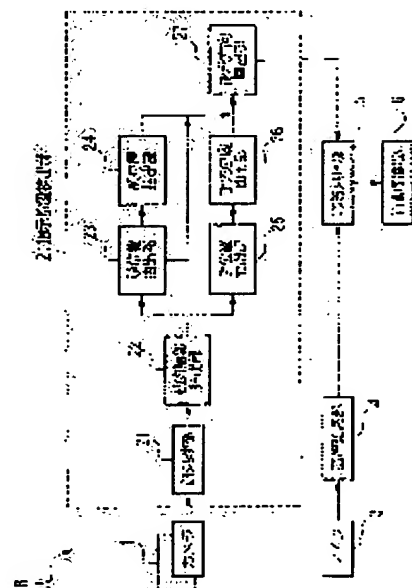
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## (54) INSTRUCTED POSITION DETECTING DEVICE AND AUTONOMOUS ROBOT

(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an instructed position detecting device for enabling a person who performs instruction to perform the instructing operation in a natural state, and highly accurately detecting the instructed position.

**SOLUTION:** The instructed position detecting device for detecting a person from an image photographed by a plurality of cameras, and for detecting a position instructed by the person is provided with a means for detecting the head position of the person including at least distance information based on the image, a means for detecting the hand position of the person including at least the distance information based on the image, a means for calculating the positions of the fingers and the main axis of the hand based on the detected hand position, and a means for detecting the direction instructed by the person based on the detected head position and the detected finger positions and the main axis of the hand. Thus, the instructed positions can be detected based on the detected direction instructed by the person.



## LEGAL STATUS

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